Q.P. Code: 22586

(2½ Hours) [Total Marks: 75]

N.B. 1) All questions are compulsory.

2) Figures to the right indicate marks.

3) Illustrations, in-depth answers and diagrams will be appreciated.

4) Mixing of sub-questions is not allowed.

Q. 1 Attempt All(Each of 5Marks) (15M)

(a) **Multiple Choice Questions** (5M)

i. **The tag used to create a hypertext relationship between current document and another URL is**
A.<ISINDEX> B.<A> C.<LINK> D. None of these

ii. **The "var" and "function" are**
A. Keywords B. Data-types C. Prototypes D. Declaration statements

iii. **Which of the following sets what kind of line decorations are added to an element, such as underlines, overlines, etc?**
A. text-style B. text-decoration C. text-line D. text-decoration-line

vi. **The JavaScript ………………… class represents regular expressions.**
A. RegExpObj B. RegExpCalss C. RegExp D.StringExp

v. **What will be the output of the following PHP code?**
```php
<?php
$a = 5;
$b = 5;
 echo ($a === $b);
?>
```
A. 5 === 5 B. Error C. False D.1

(b) **Fill in the blanks** (5M)
(Selecting previous document, object-based, verify,<?php>,Javascript and Java, opening new document, objective, transport,< ?php ?>, Javascript and XML)

i. Target attribute is used for _____
ii. JavaScript is_____ language.
iii. XML is designed to _____ and store data.
iv. A PHP script should start with _____ and end with _____
v. AJAX based on _____technology.

(c) **Write Answers in two lines.** (5M)
i. href attribute
ii. <script> tag
iii. PHP session
iv. Animation in jQuery
v. DTD in XML

Q. 2 **Attempt the following (Any THREE)(Each of 5Marks)** **(15M)**

(a) Write a note on Image Maps.

(b) What is Stylesheet? List its types. Explain any ONE with an example.

(c) Explain the following tags in HTML5 with an example:-
   i. <form>
   ii. <input>
   iii. action attribute
   iv. target attribute
   v. method attribute

(d) Which are the CSS properties to work with background of a Page in HTML? Give its purpose with an example.

(e) How to insert multimedia fileon the web page in HTML? Explain any one. **(Audio OR Video)**

(f) Write an HTML code for the following:-

	Average		Red Eyes
	Height	Weight	
Males	1.9	0.003	50%
Females	1.7	0.002	45%

Q. 3 **Attempt the following (Any THREE)(Each of 5Marks)** **(15M)**

(a) Which are three types of popup boxes in JavaScript? Explain with syntax and examples.

(b) What is the purpose of History and Location browser objects in JavaScript? Explain its any two methods.

(c) Give the structure of an XML Document. Explain it with an example.

(d) Explain the following elements w.r.t XSLT with an example:
   i. xsl: attribute
   ii. xsl:value-of
   iii. xsl: attribute-set

(e) Write a note on Date object and it's any four methods with an example in JavaScript.

(f) Write a JavaScript code to enter grade from user between 'A' TO 'F', display appropriate message. **(Use switch-case statement)**

Q. 4 **Attempt the following (Any THREE)(Each of 5Marks)** **(15M)**

(a) Diagrammatically explain AJAX Web Application Model.

(b) How do you declare arrays in PHP? Explain with the help of an example.

(c) Explain any five jQuery traversing methods with examples.

(d) What is the purpose of XMLHttpRequest object in AJAX? How to open it in AJAX? Explain.

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(e)   Write a jQuery code to hide the text of lines in paragraph on the double click event in an html file.

(f)   Explain the following functions w.r.t database handling in PHP:-
   i.   mysql_connect()
   ii.   mysql_select_db()
   iii.   mysql_query()
   iv.   mysql_fetch_array()
   v.   mysql_close()

Q. 5   Attempt the following (Any THREE)(Each of 5Marks)   (15M)

(a)   Explain any five text formatting tags in HTML with example.

(b)   Discuss Document Object Model.

(c)   How does AJAX handle asynchronous data transfer?

(d)   What is the purpose of following CSS properties to work with Fonts? Give example.
   i.   font-family
   ii.   font-style
   iii.   font-size

(e)   List types of PHP operators. Explain any two.